NIRMITH VICTOR D'ALMEIDA

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EDUCATION

CARLETON UNIVERSITY
Ottawa, ON

BACHELOR OF **COMPUTER SCIENCE: CYBERSECURITY** (CO-OP)
Expected August 2024

- **Awards**: Entrance Scholarship, Faculty Scholarship, Deans List (2022,2023)
- **Relevant Coursework**: Discrete Structures, Systems Programming, Design and Analysis of Algorithms, Web Development, Operating Systems, Object-Oriented Software Engineering (OOP), Human-Computer Interaction, Database Management

WORK EXPERIENCE

SOFTWARE AUTOMATION TEST ENGINEER
September 2022 – April 2023

Dayforce, Remote, Canada

- Conducted thorough code review and monitored automated test, reducing suite test run time by 20% through parallel script execution and identification of critical bugs.
- Created automation test scripts using SpecFlow and Fitnesse, leveraging Behavior Driven Development and Data-Driven testing methodologies in C# (Selenium) to enhance testing efficiency, coverage and reliability.
- Collaborated with Recruiting team to revise Azure DevOps documentation streamlining software deployment across various Operating systems.

IT Intern
May 2022 – August 2022

Bahrain Royal Flight, Bahrain

- Configured and maintained personal computer, managing network configurations to ensure seamless communication over TCP/IP networks
- Developed dynamic-databases and integrated Twilio to enable communication between devices using VB .NET and SQL

Software Developer Intern
September 2022 – April 2023

Assent, Remote, Canada

- Employed best coding practices to develop and deploy Assent internal web tools and microservices used by multiple teams with JavaScript, Typescript and Angular utilizing Jira and agile methodologies (Scrum, Atlassian).
- Utilized Jenkins for CI/CD process, facilitating over 50 successful code deployments and automating the build and test workflow to minimize human error.
- Integrated Swagger-Docker integration to enhance API documentation and detailed analysis, documenting process and guidelines in confluence for consistency and knowledge sharing across teams

PROJECTS

Web Crawler | Node.js, MongoDB, JSON, REST APIs, Git
September 2023 – December 2023

- Collaborated with a cross-functional team to design responsive and scalable full stack application using Express for backend logic and REST API for data transfer.
- Implemented user-based recommendation algorithms to simulate similar search suggestions, reducing load time by 55%.

Heart Rate Monitor System | C++, QT, Git, Linux, Jira
January 2023- April 2023

- Designed a real time heart rate monitoring system using C++ and QT, focusing on user interface design and critical functionality such as heart rate analysis and ECG display.
- Documented comprehensively using AGILE methodologies, employing observer, mediator and state design patterns

STORE SALES AND STOCK GUI | Java, JavaFX
March 2020

- Engineered a GUI to simulate a virtual online store, capable of inventory management and showcasing item popularity, revenue, and sales.
- Followed a model-view-controller paradigm utilizing encapsulation to protect sales data

SKILLS

Languages: C++, C#, Java, C, Python, CSS, HTML, Visual Basic .Net, JavaScript, C

Frameworks/Libraries: React, Node.js, Jest, Firebase, Express, AJAX, jQuery, Selenium, Postman, SpecFlow, Fitnesse

Databases: MS SQL Server, PostgreSQL. Sqlite3, MongoDB

Developer Tools: Git, Docker, Jira, Heroku, MongoDB Atlas, Jenkins, Azure DevOps, Swagger, Bash, Linux

Cloud Technologies: AWS, AWS Amplify, AWS Lambda, AWS DynamoDB